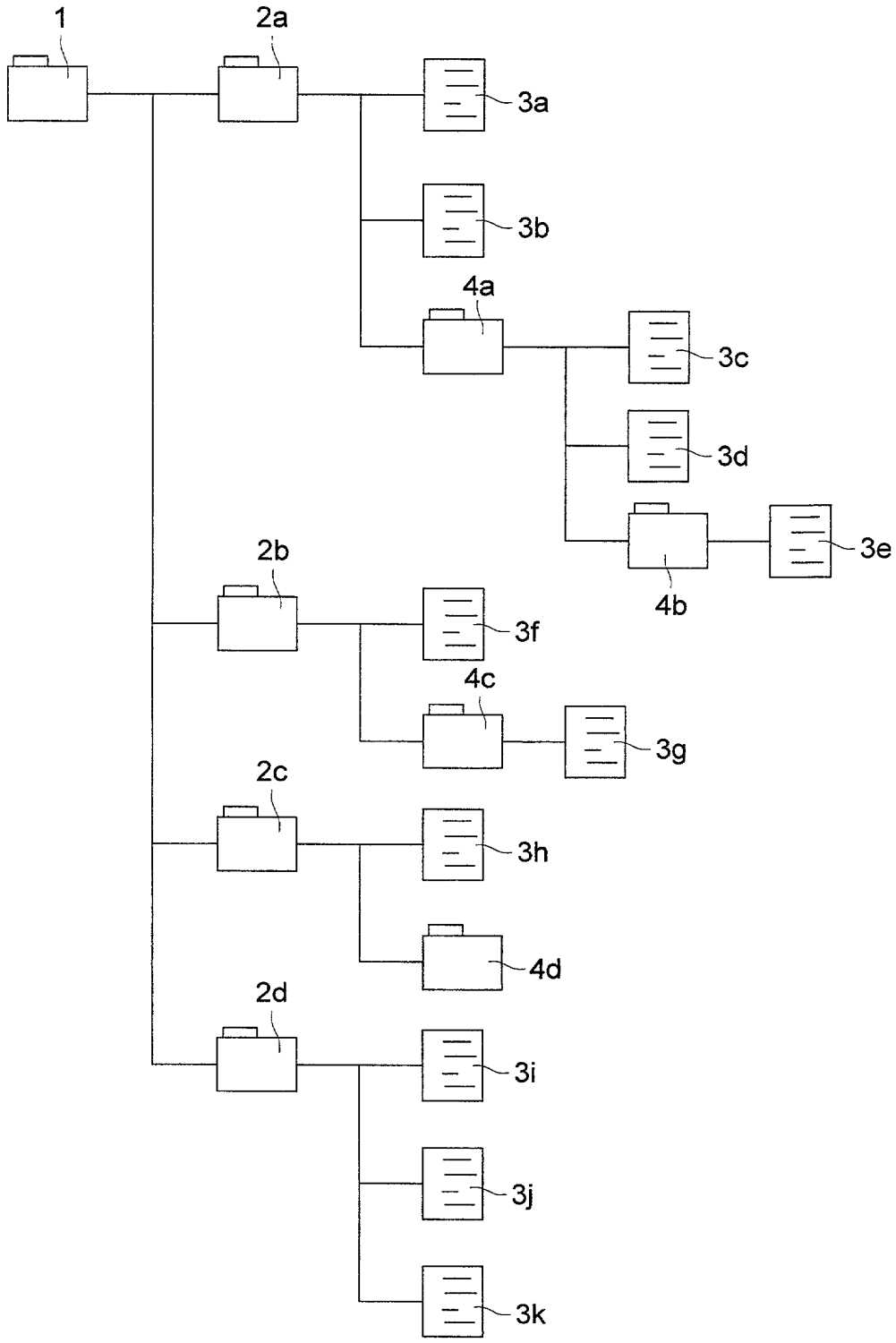
FIG. 1



FAXSET: 5245068

FIG. 2

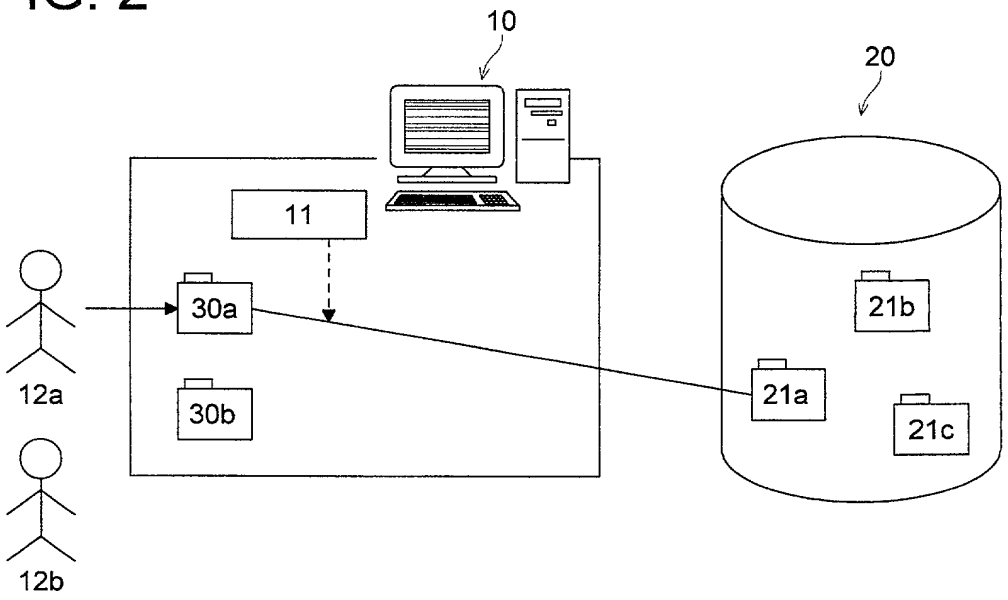

10
20
11
30a
30b
21a
21b
21c
12a
12b

FIG. 3

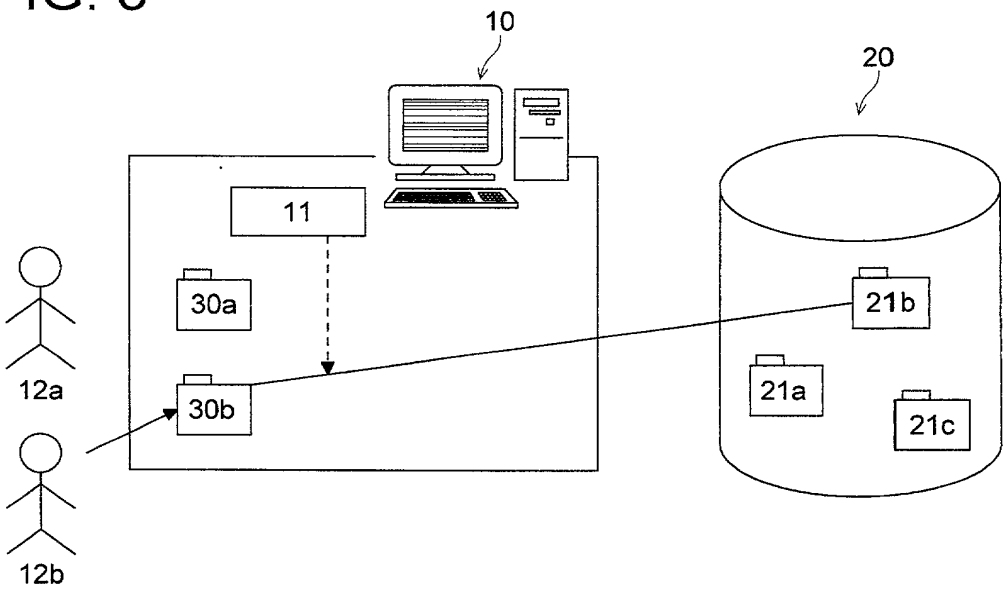

10
20
11
30a
30b
21a
21b
21c
12a
12b

FIG. 4

JOB TABLE

JOB ID	JOB NAME
1	PROJECT A
2	PROJECT B
3	PROJECT C

WORKING SUBJECT TABLE

WORKING SUBJECT ID	WORKING SUBJECT NAME
1	SUZUKI
2	YAMADA
3	KAWAGICHI

WORKING STATE TABLE

JOB ID	WORKING SUBJECT ID	WORKING STATUS OF WORKING SUBJECT
1	2	WORKING
2	1	WORKING
1	1	DISCONTINUED

WORKING STATE CHANGE TIME TABLE

JOB ID	WORKING SUBJECT ID	TYPE (1 / 0)	TIME OF CHANGE
1	1	0	11 : 20
1	1	1	11 : 25
3	2	0	11 : 26
3	2	1	11 : 28
3	2	0	11 : 29
3	2	1	11 : 33

STORAGE LOCATION TABLE

JOB ID	STORAGE LOCATION
1	A
2	B
2	C
3	B

TYPE 1 : CONNECT
TYPE 2 : DISCONNECT

FIG. 5

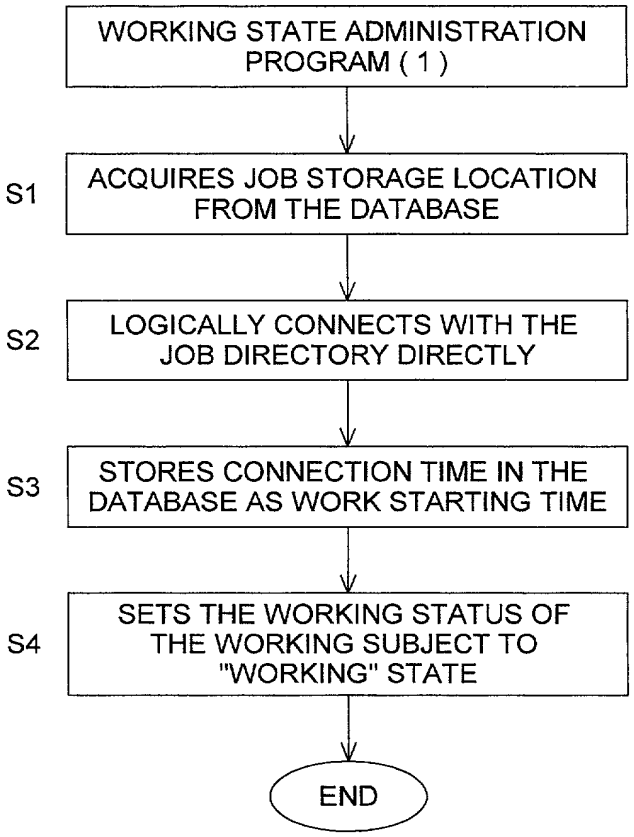


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FIG. 6

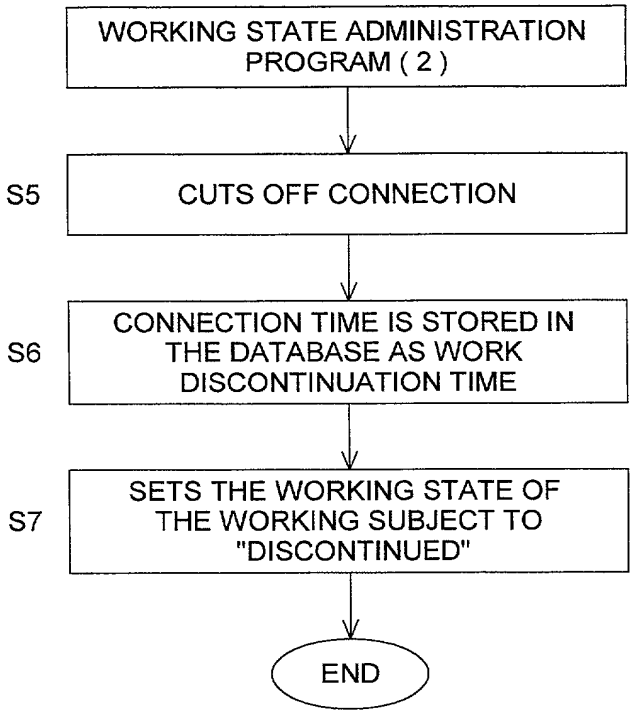

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FIG. 7

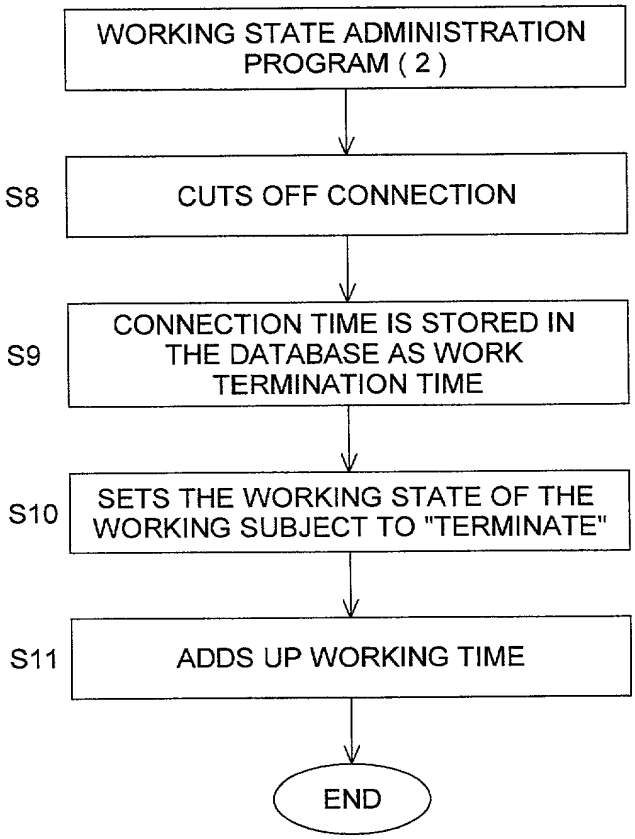
WORKING STATE ADMINISTRATION PROGRAM (2)
S8
CUTS OFF CONNECTION
S9
CONNECTION TIME IS STORED IN THE DATABASE AS WORK TERMINATION TIME
S10
SETS THE WORKING STATE OF THE WORKING SUBJECT TO "TERMINATE"
S11
ADDS UP WORKING TIME
END

FIG. 8

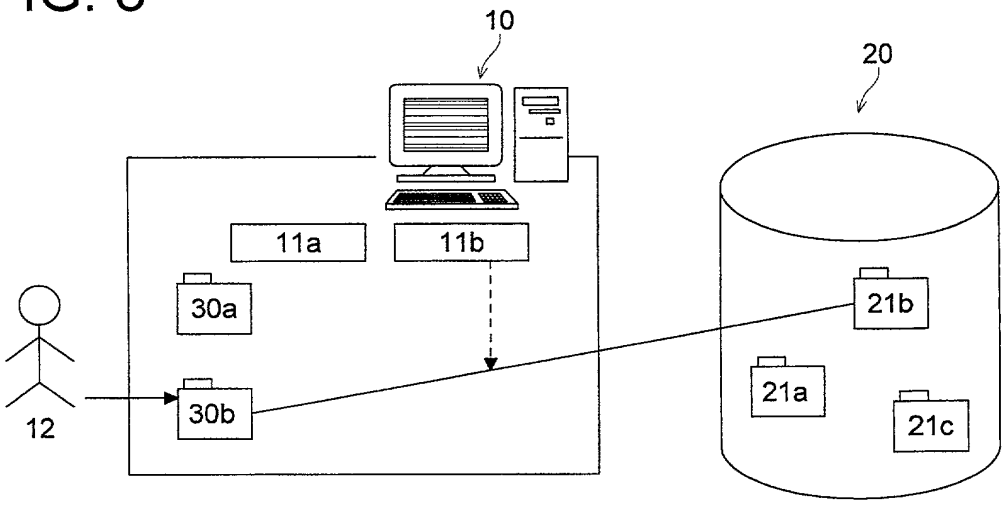

FIG. 9

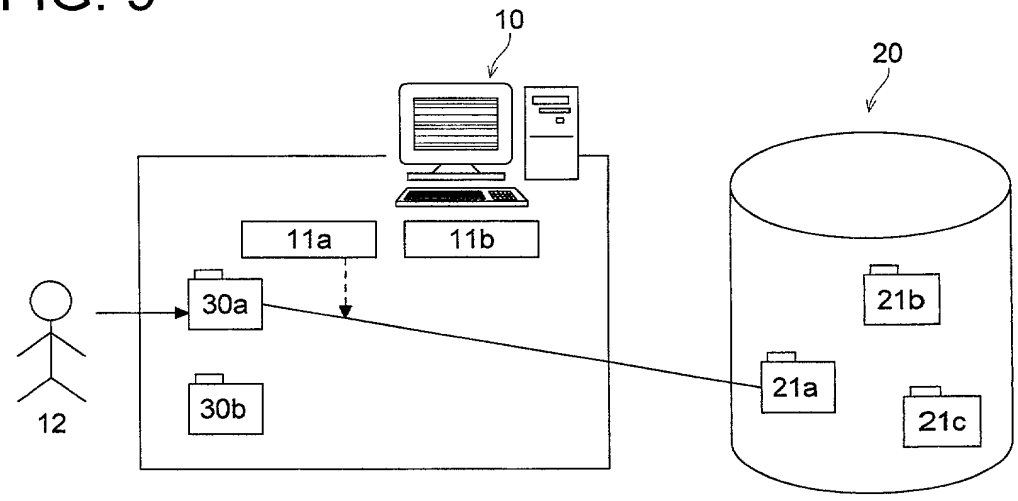

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FIG. 10

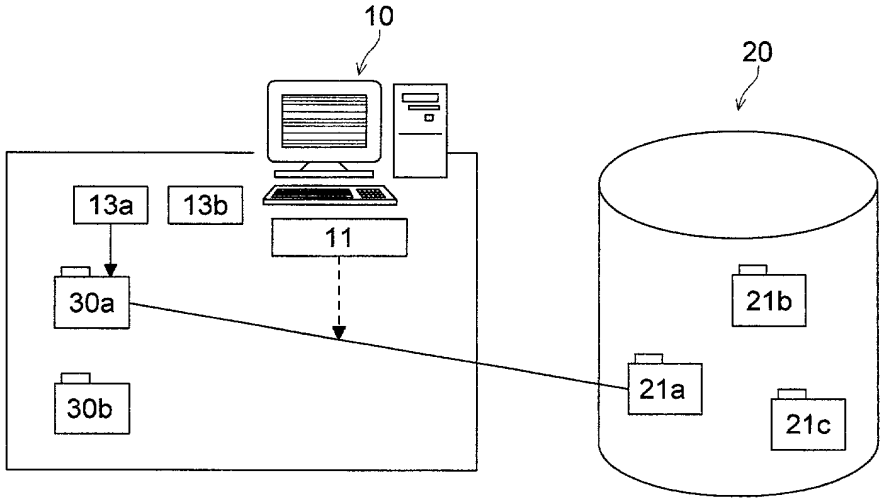

FIG. 11

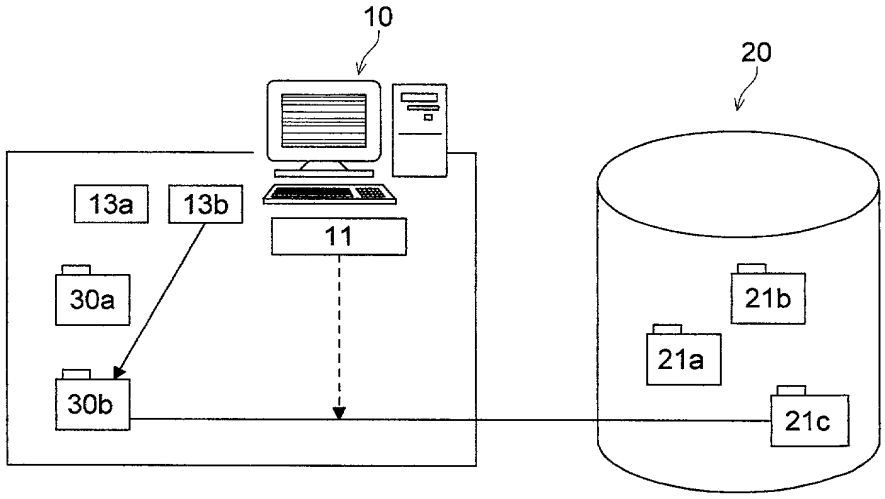

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FIG. 12

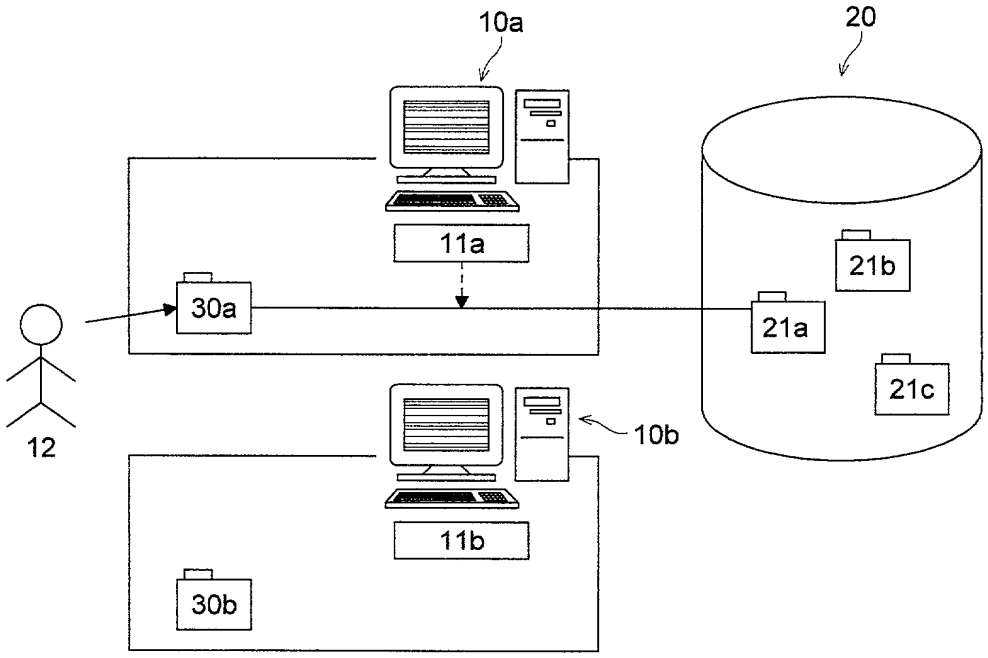
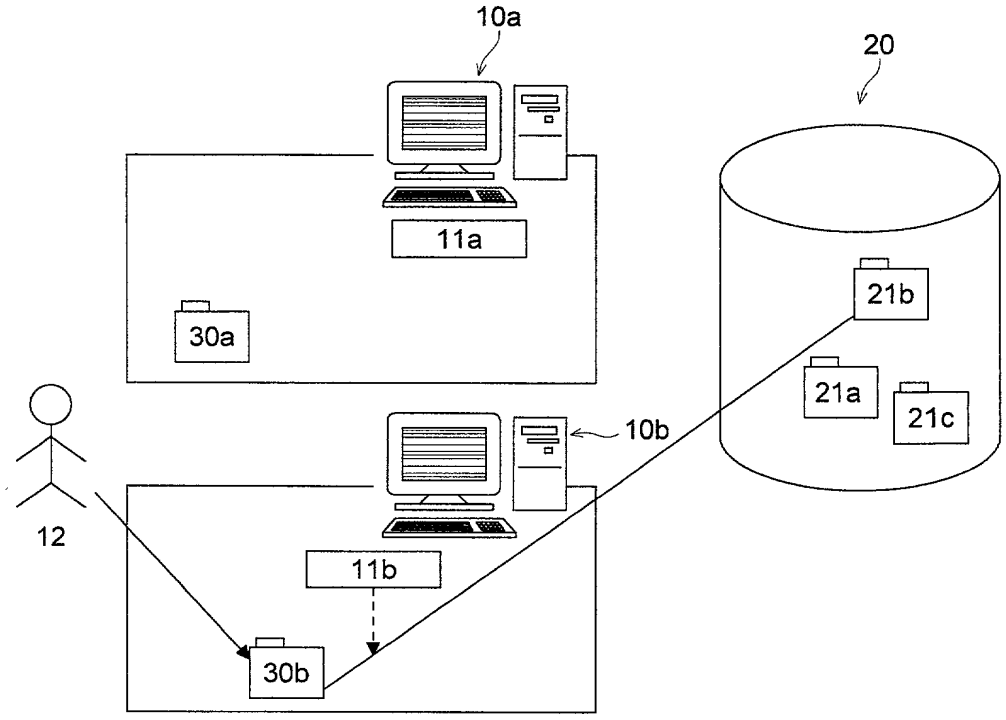


FIG. 13



DRAFT

FIG. 14

JOB TABLE

JOB ID	JOB NAME	WORKING STATUS OF THE JOB
1	PROJECT A	WORKING
2	PROJECT B	WORKING
3	PROJECT C	DISCONTINUED

WORKING SUBJECT TABLE

WORKING SUBJECT ID	WORKING SUBJECT NAME
1	SUZUKI
2	YAMADA
3	KAWAGICHI

WORKING STATUS TABLE

JOB ID	WORKING SUBJECT ID	WORKING STATUS OF WORKING SUBJECT
1	2	WORKING
2	1	WORKING
1	1	DISCONTINUED

WORKING STATUS CHANGE TIME TABLE

JOB ID	WORKING SUBJECT ID	TYPE (1 / 0)	TIME OF CHANGE
1	1	0	11 : 20
1	1	1	11 : 25
3	2	0	11 : 26
3	2	1	11 : 28
3	2	0	11 : 29
3	2	1	11 : 33

TYPE 1 : CONNECT
TYPE 2 : DISCONNECT

STORAGE LOCATION TABLE

JOB ID	STORAGE LOCATION
1	A
2	B
2	C
3	B

FIG. 15

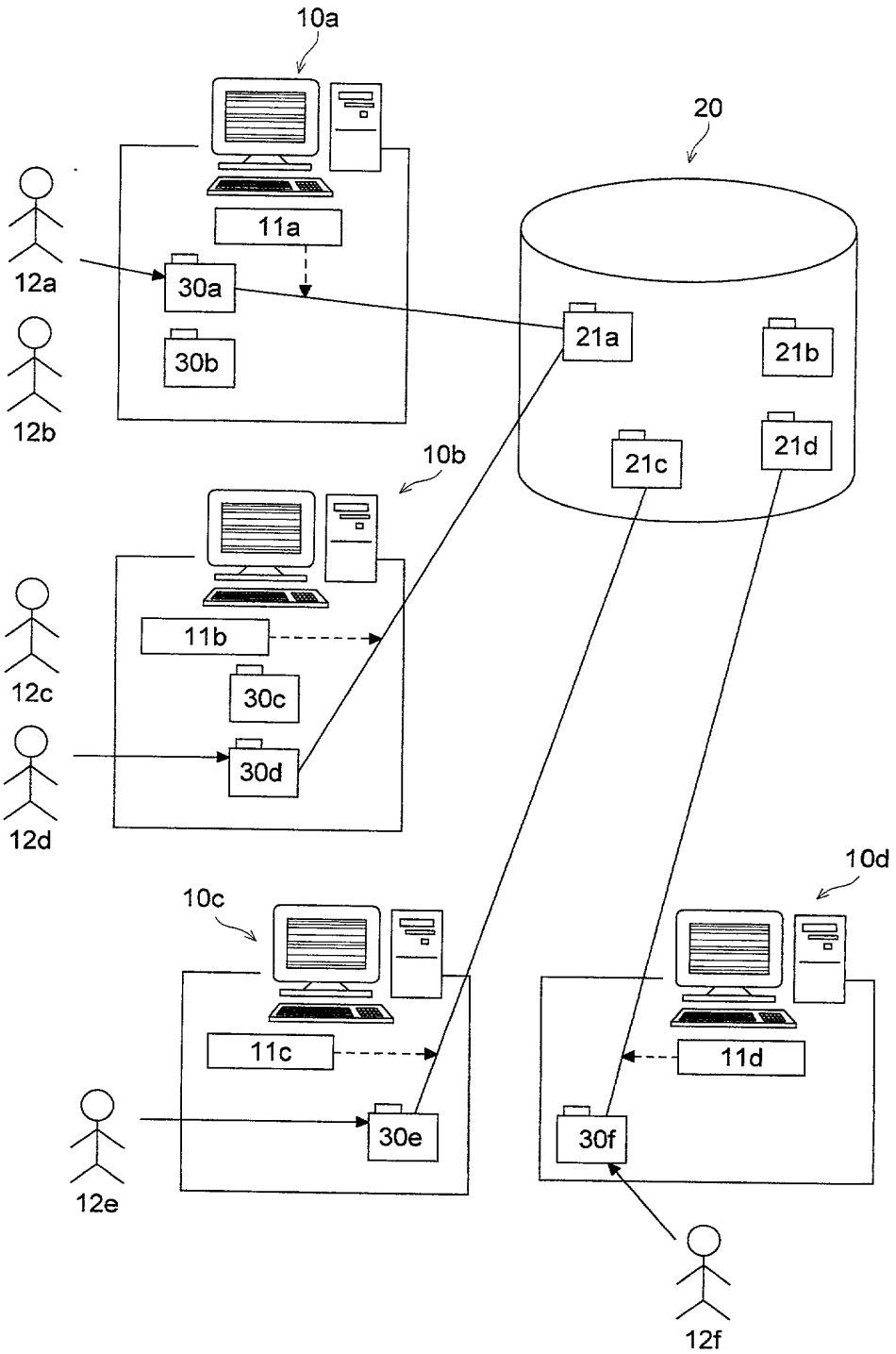


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FIG. 16

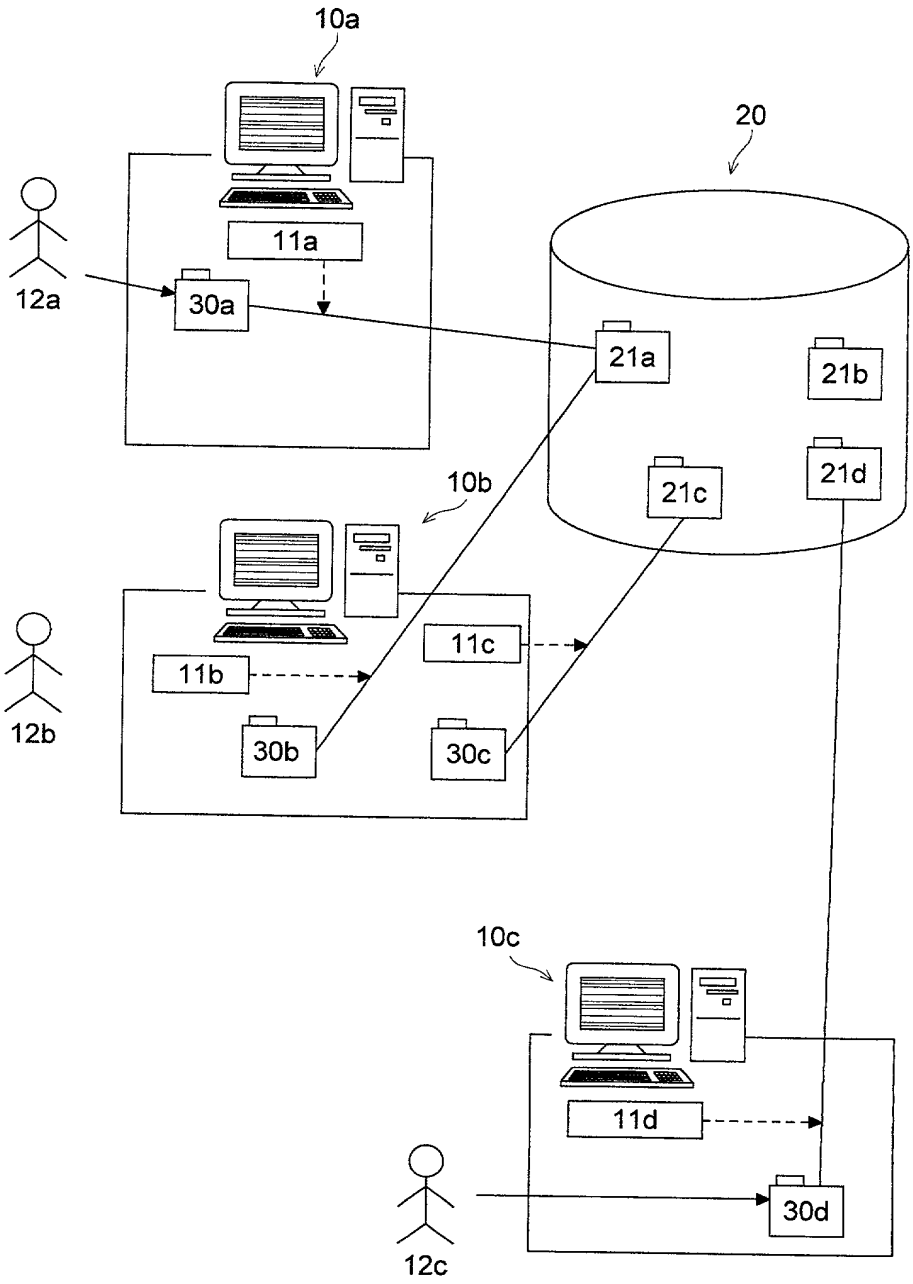
10a
20
11a
12a
30a
21a
21b
21c
21d
10b
11b
11c
12b
30b
30c
10c
11d
30d
12c

FIG. 17

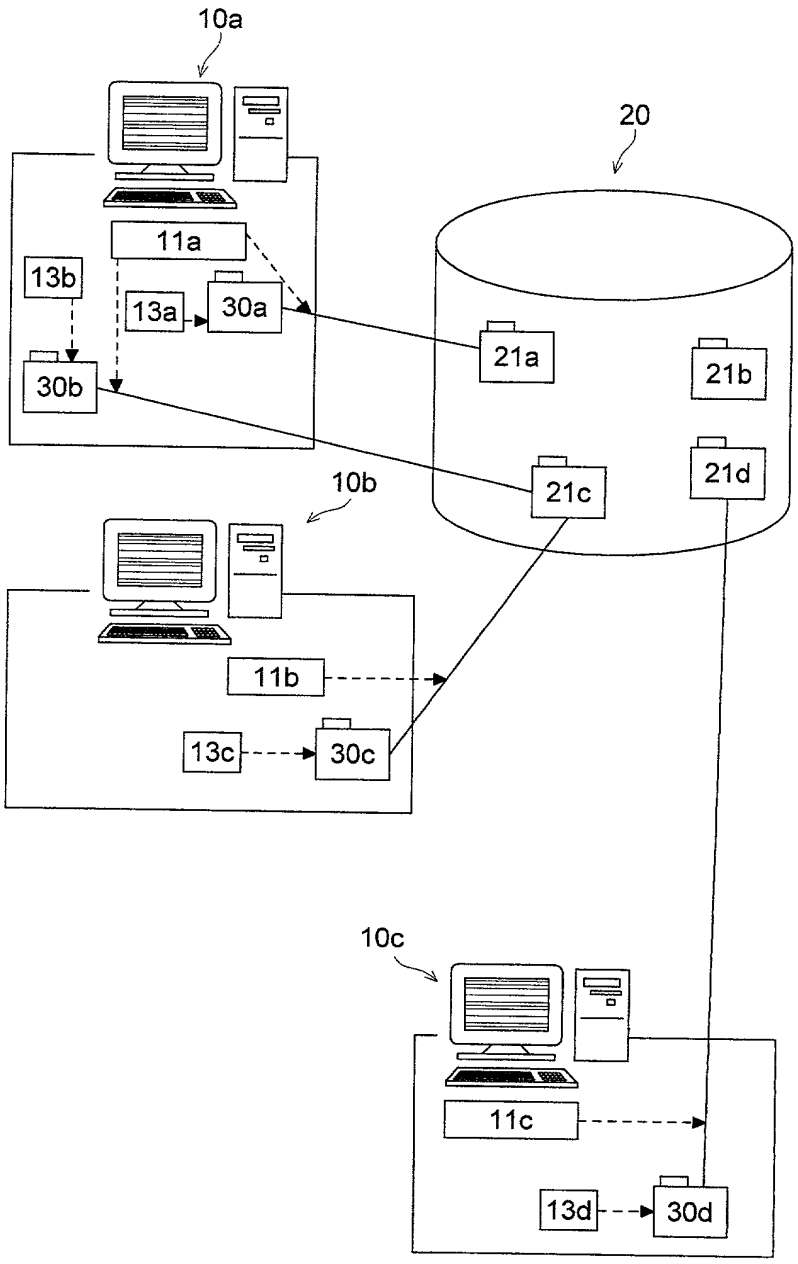

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FIG. 18

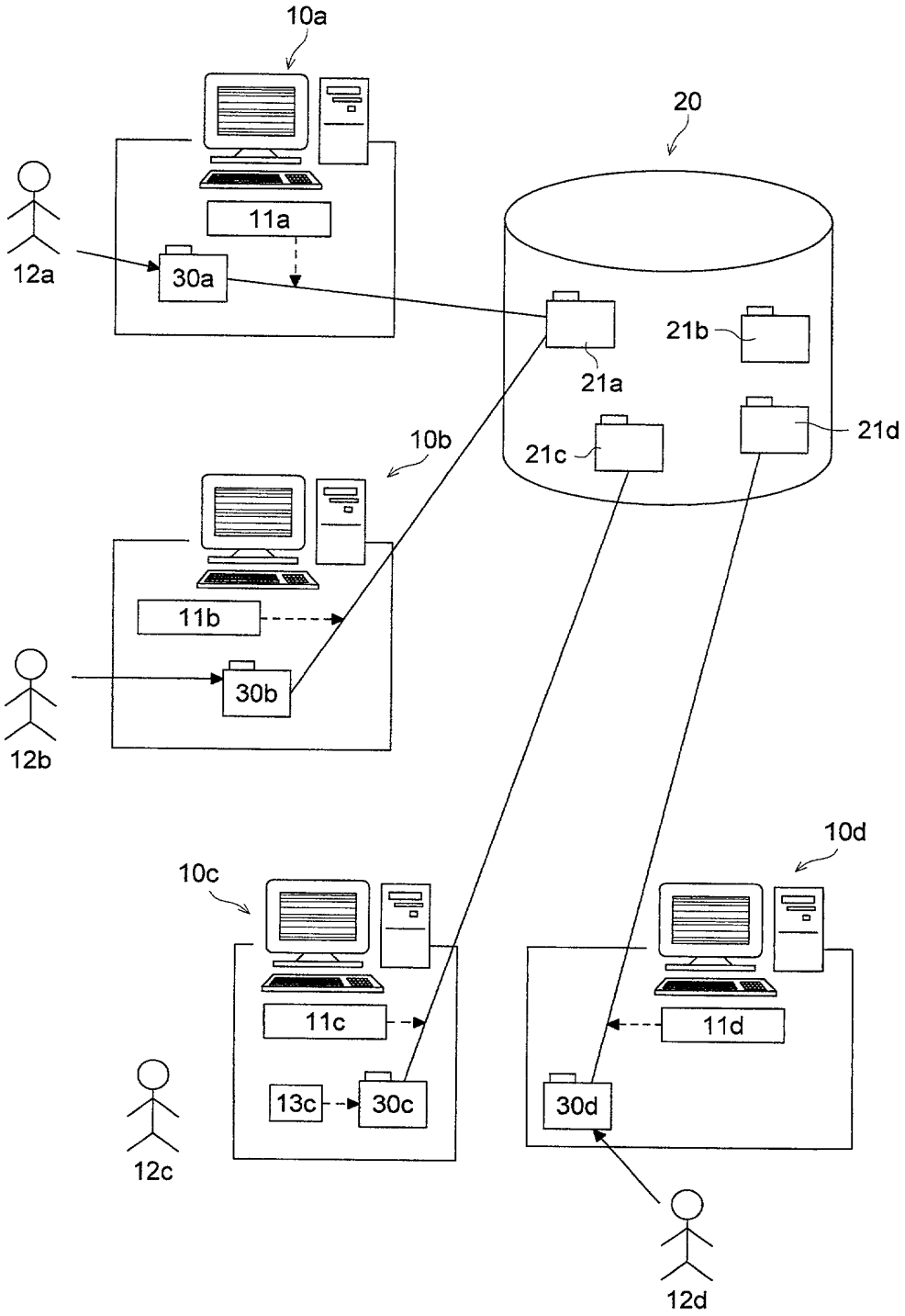
10a
20
11a
12a
30a
21b
21a
21d
21c
10b
11b
30b
12b
10d
10c
11c
11d
13c
30c
30d
12c
12d

FIG. 19

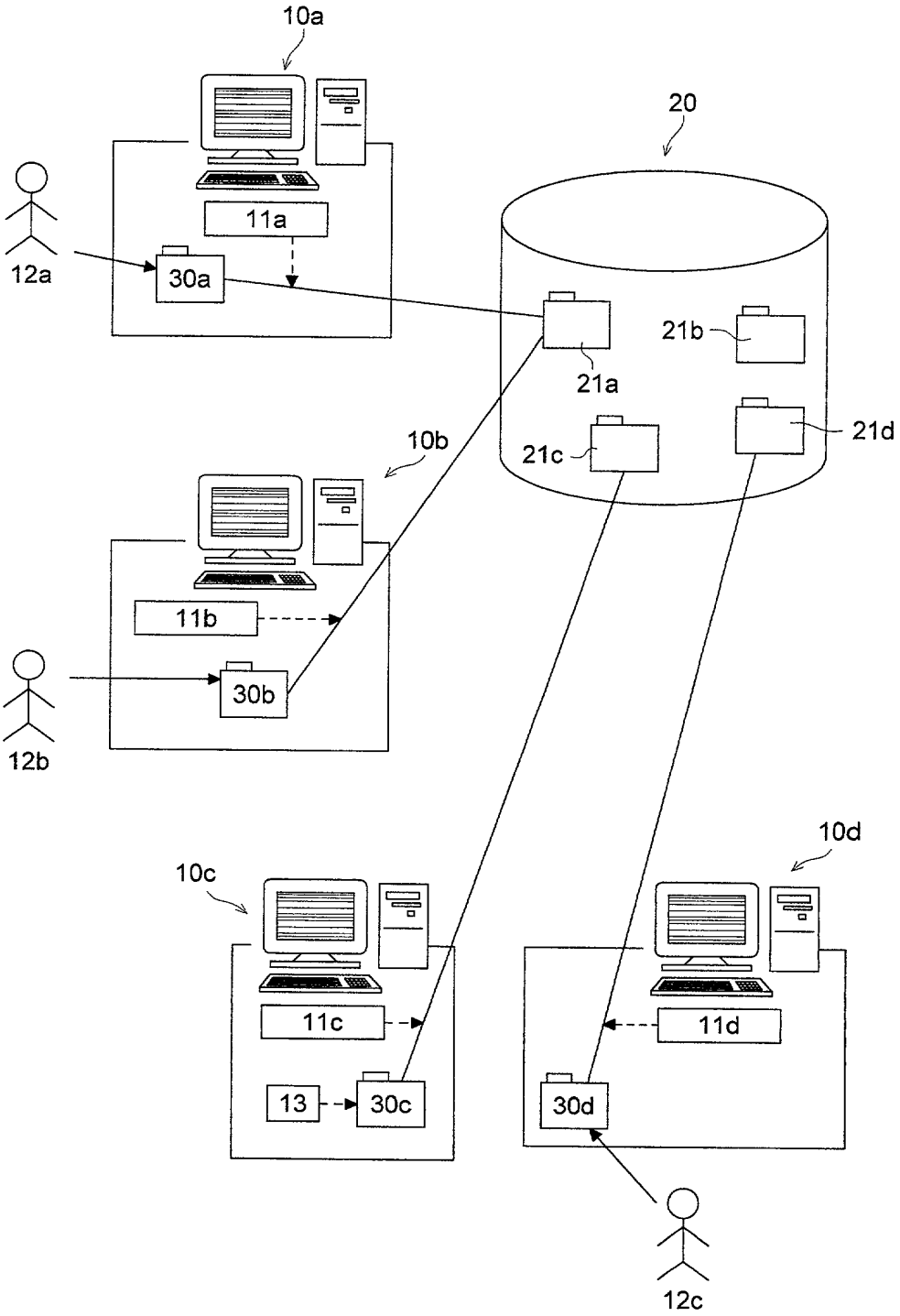
10a
20
11a
12a
30a
21b
21a
21d
21c
10b
11b
30b
12b
10d
10c
11c
11d
13
30c
30d
12c

FIG. 20

PRIOR ART

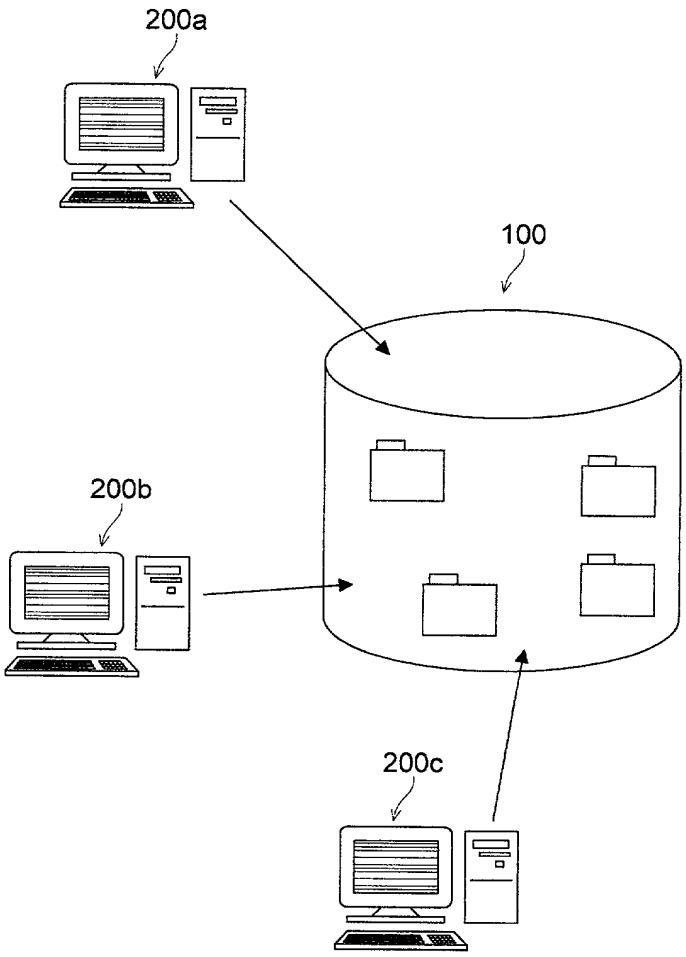

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FIG. 21

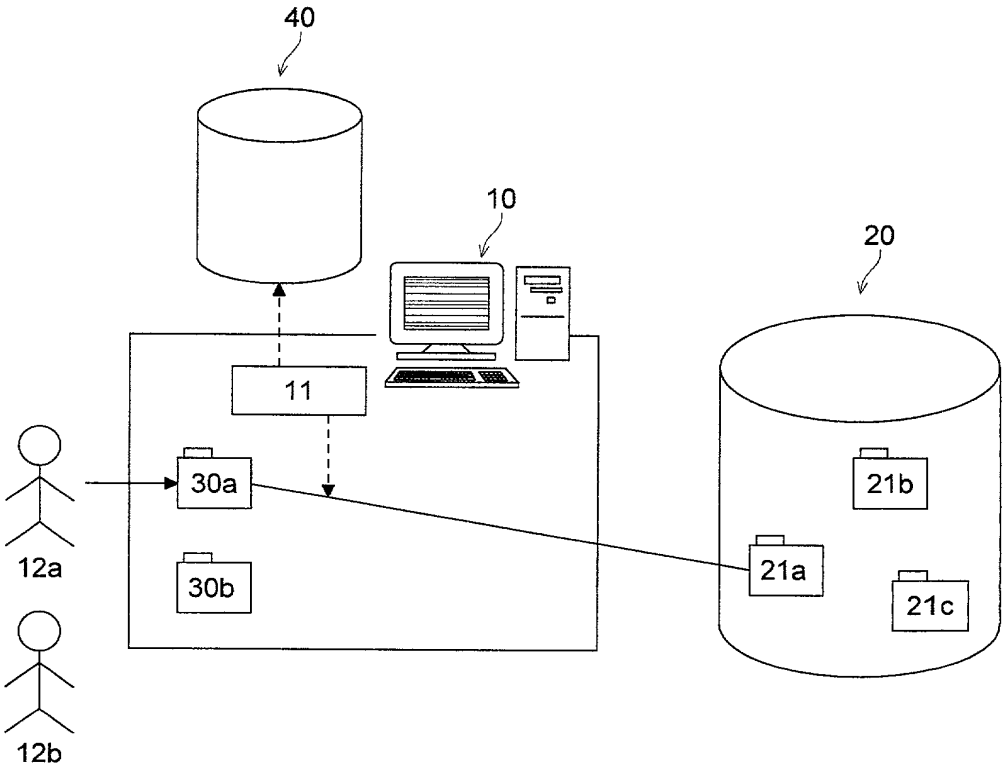

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FIG. 22

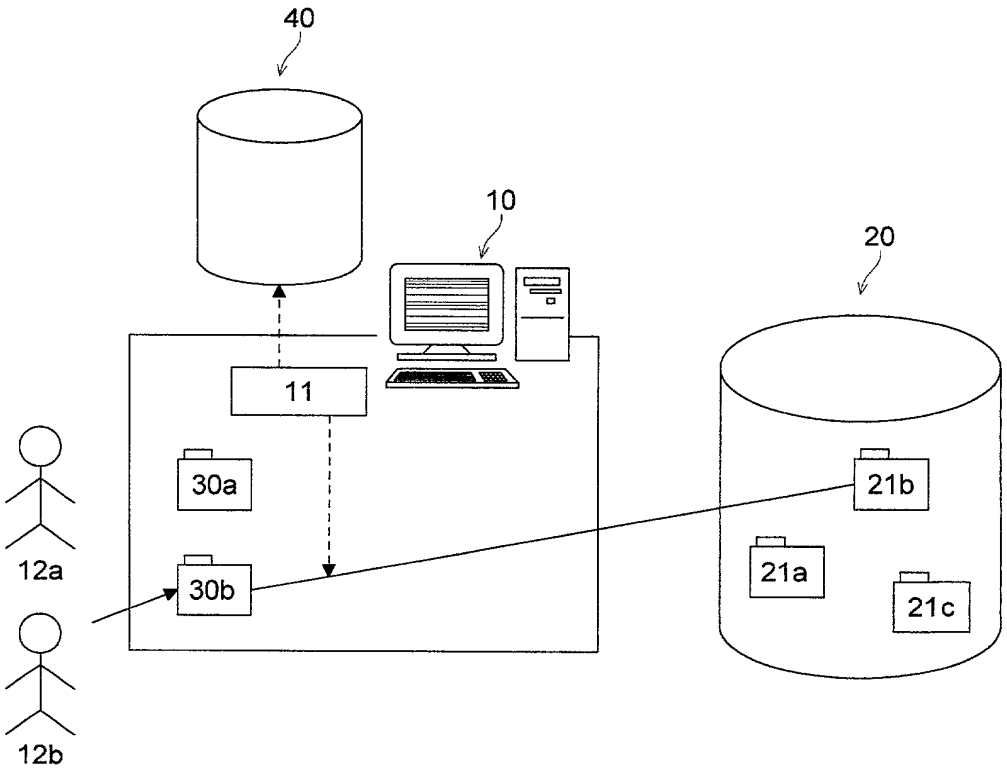

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FIG. 23

JOB TABLE

JOB ID	JOB NAME	STORAGE LOCATION ID
1	PROJECT A	1
2	PROJECT B	2
3	PROJECT C	3

WORKING STATE TABLE

ACTION ID	WORKING SUBJECT ID	WORKING STATE	CHANGE TIME
1	2	WORK START	AT 15:05, NOVEMBER 27
2	1	WORK START	AT 16:20, NOVEMBER 27
3	1	DISCONTINUE	AT 17:00, NOVEMBER 27

ACTION TABLE

ACTION ID	JOB ID	ACTION NAME
1	1	IMAGE INPUT FOR PROJECT A
2	2	IMAGE OUTPUT FOR PROJECT B
3	2	IMAGE EDIT FOR PROJECT B

STORAGE LOCATION TABLE

STORAGE LOCATION ID	SERVER NAME	PASS NAME
1	dss01	/ disk1
2	dss02	/ disk2
3	dss03	/ data

JP2004-334808

FIG. 24

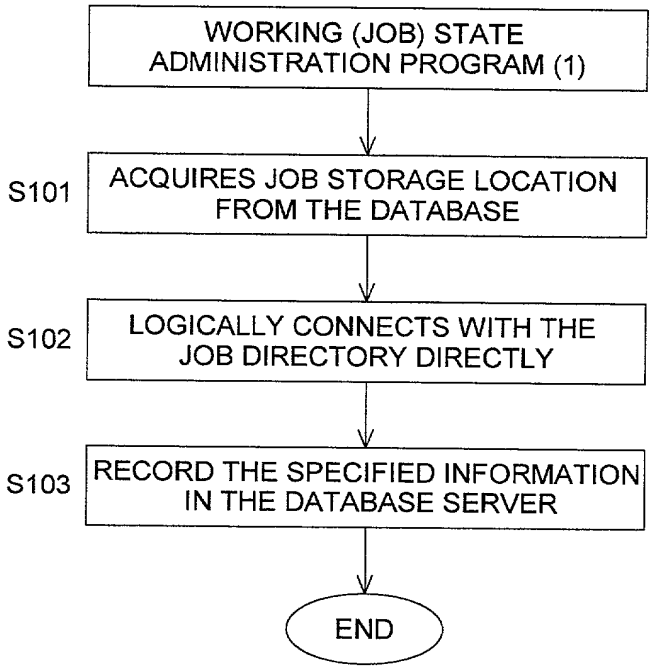

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FIG. 25

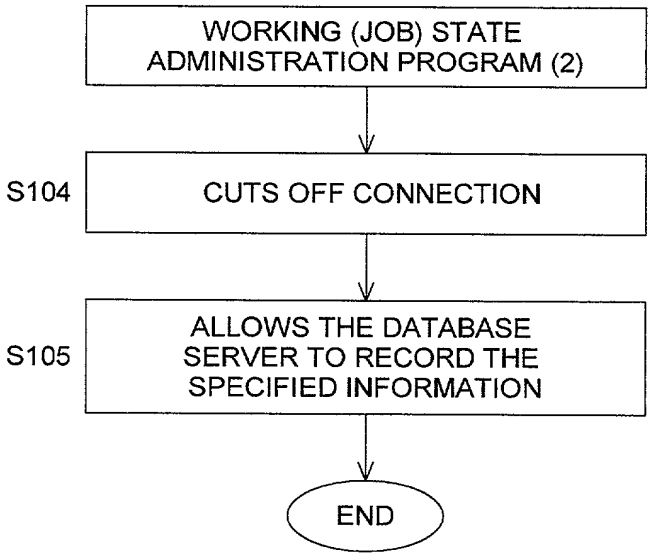

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FIG. 26

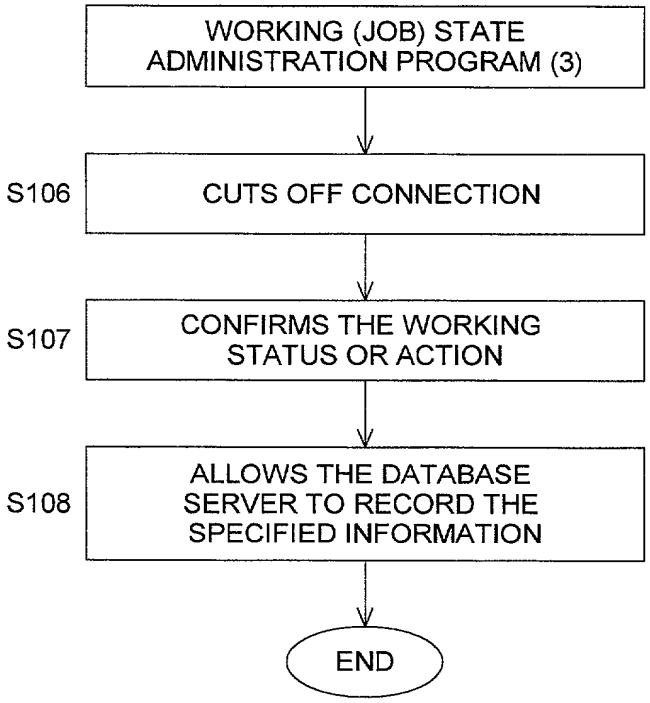

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FIG. 27

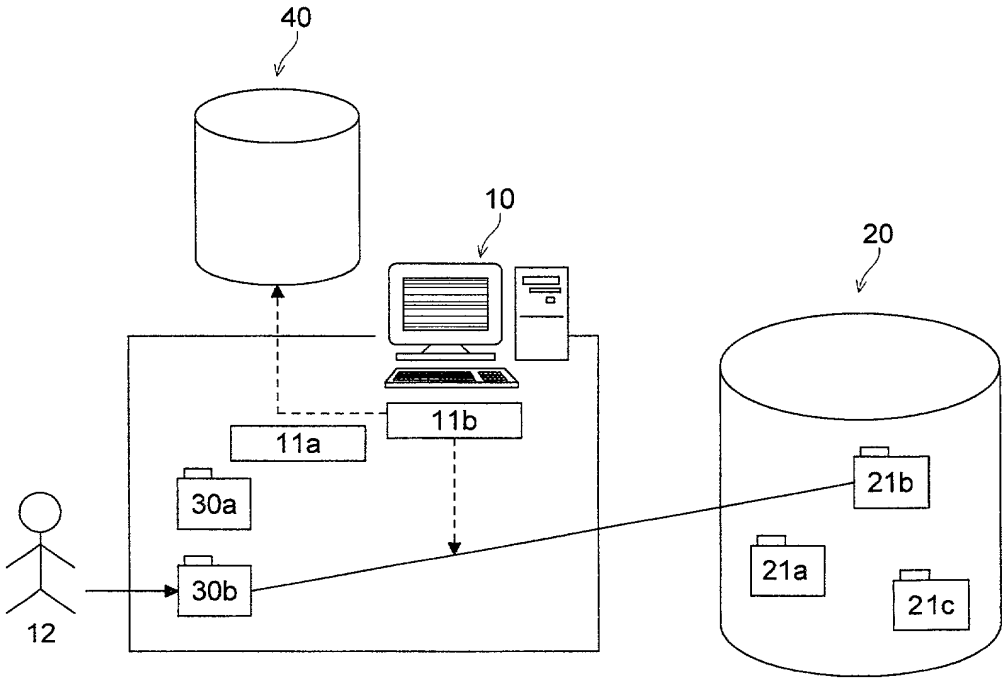


FIG. 28

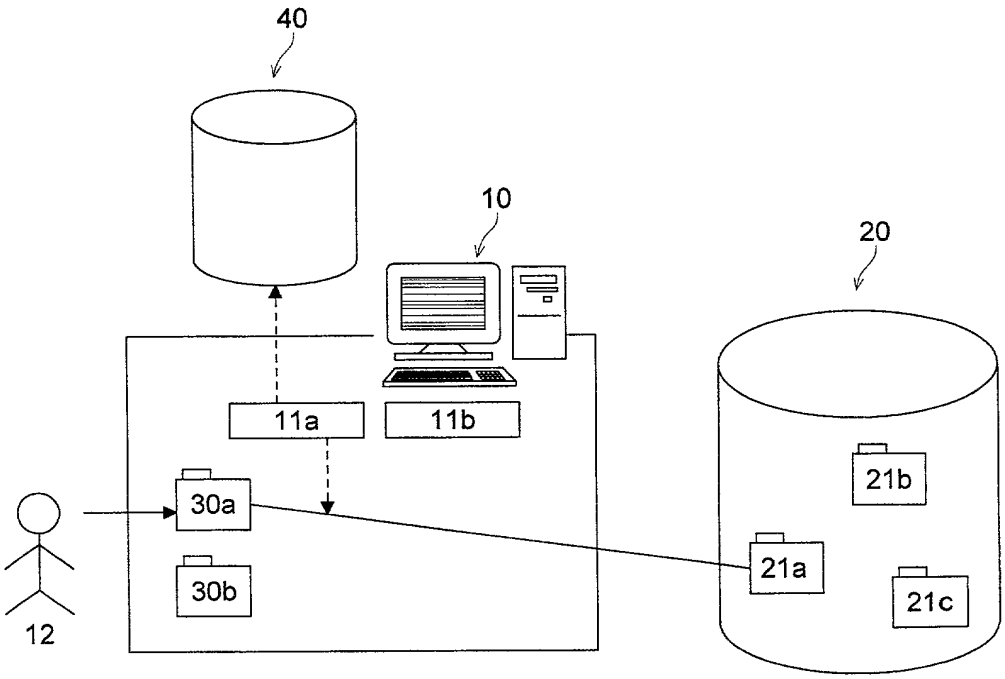


FIG. 29

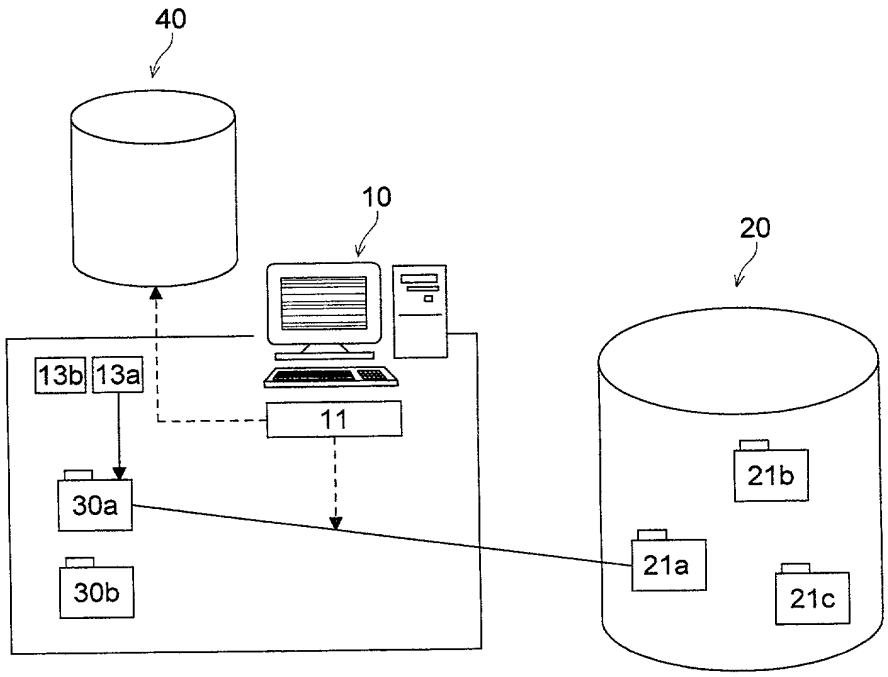
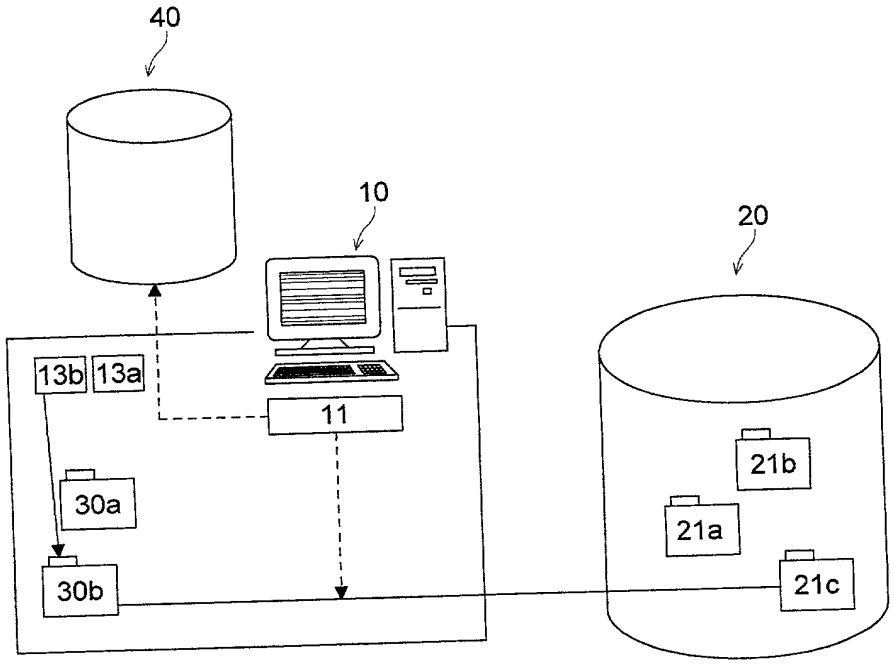


FIG. 30



EP2007/063465

FIG. 31

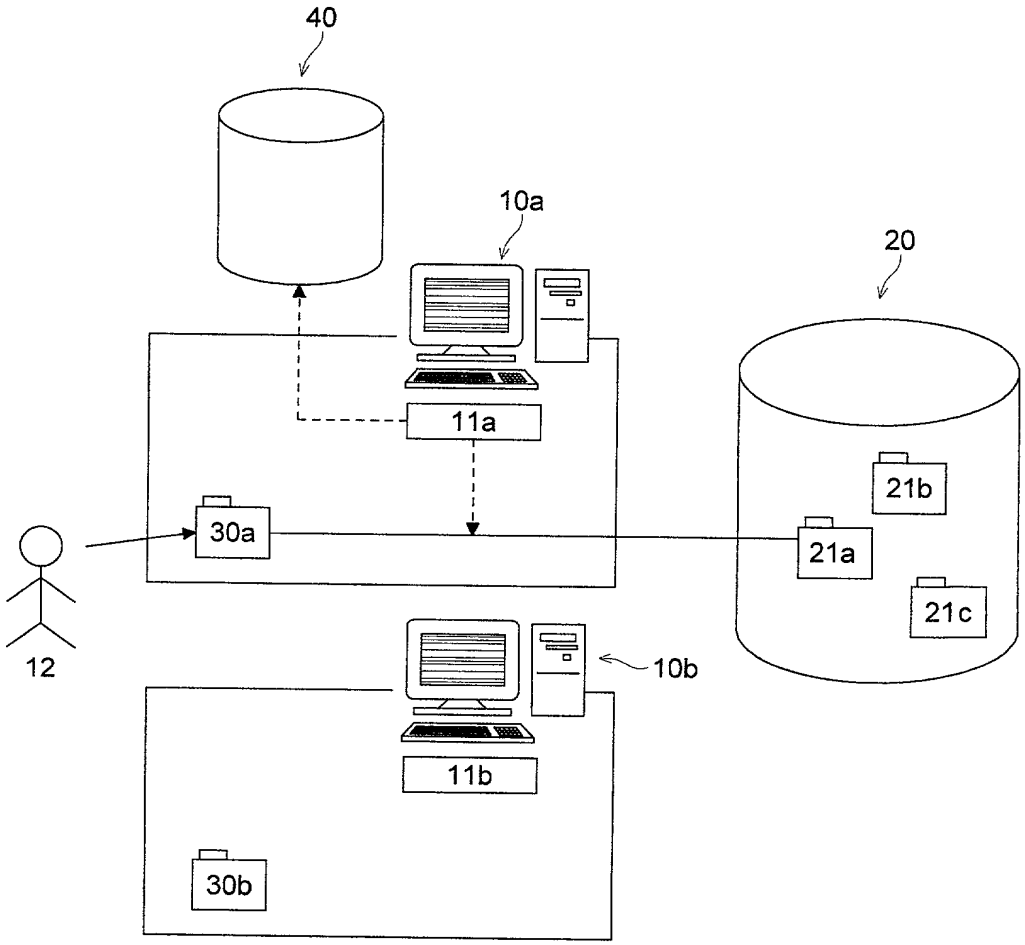


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FIG. 32

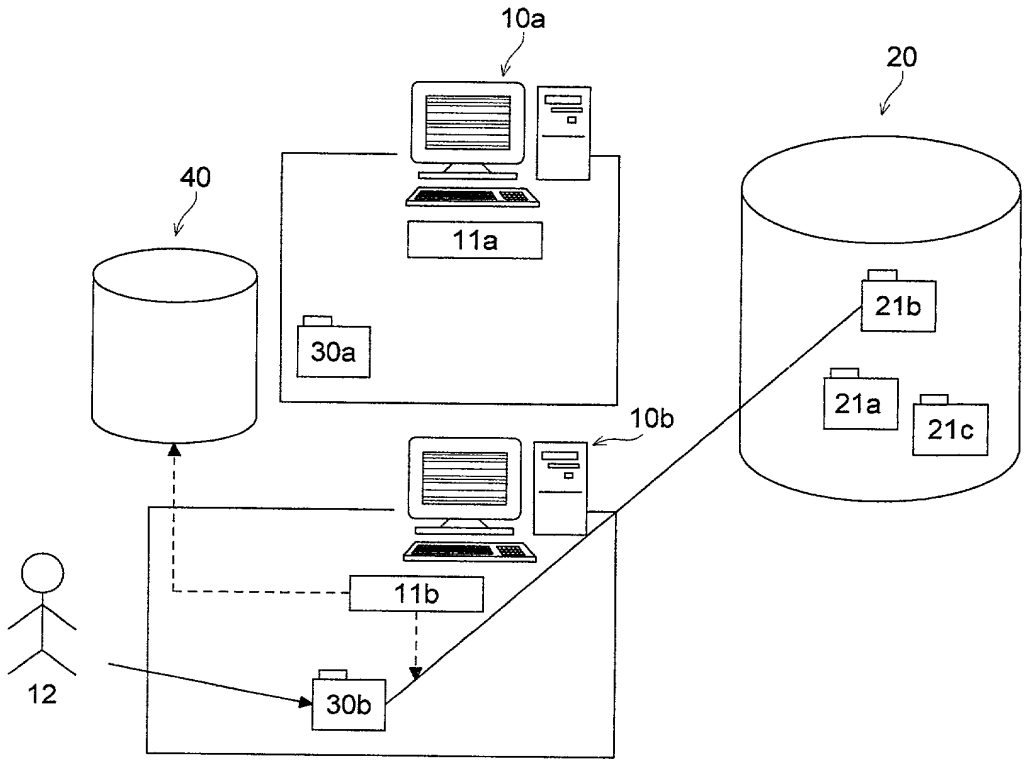

FIG. 33

JOB TABLE

JOB ID	JOB NAME	STORAGE LOCATION ID
1	PROJECT A	1
2	PROJECT B	2
3	PROJECT C	3

ACTION TABLE

ACTION ID	JOB ID	ACTION NAME
1	1	IMAGE INPUT FOR PROJECT A
2	2	IMAGE OUTPUT FOR PROJECT B
3	2	IMAGE EDIT FOR PROJECT B

ACTION STATE TABLE

ACTION ID	JOB ID	ACTION STATE	CHANGE TIME
1	1	WORK START	AT 15:05, NOVEMBER 27
2	2	WORK START	AT 16:20, NOVEMBER 27
3	2	DISCONTINUE	AT 17:00, NOVEMBER 27

STORAGE LOCATION TABLE

STORAGE LOCATION ID	SERVER NAME	PASS NAME
1	dss01	/ disk1
2	dss02	/ disk2
3	dss03	/ data

FIG. 34

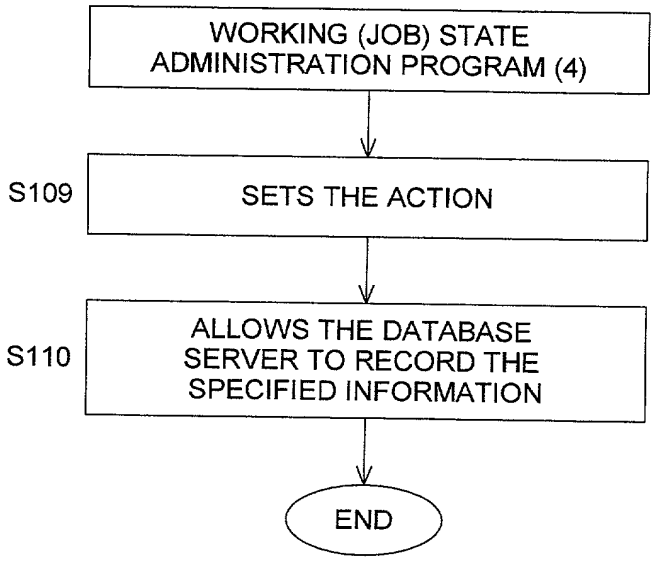

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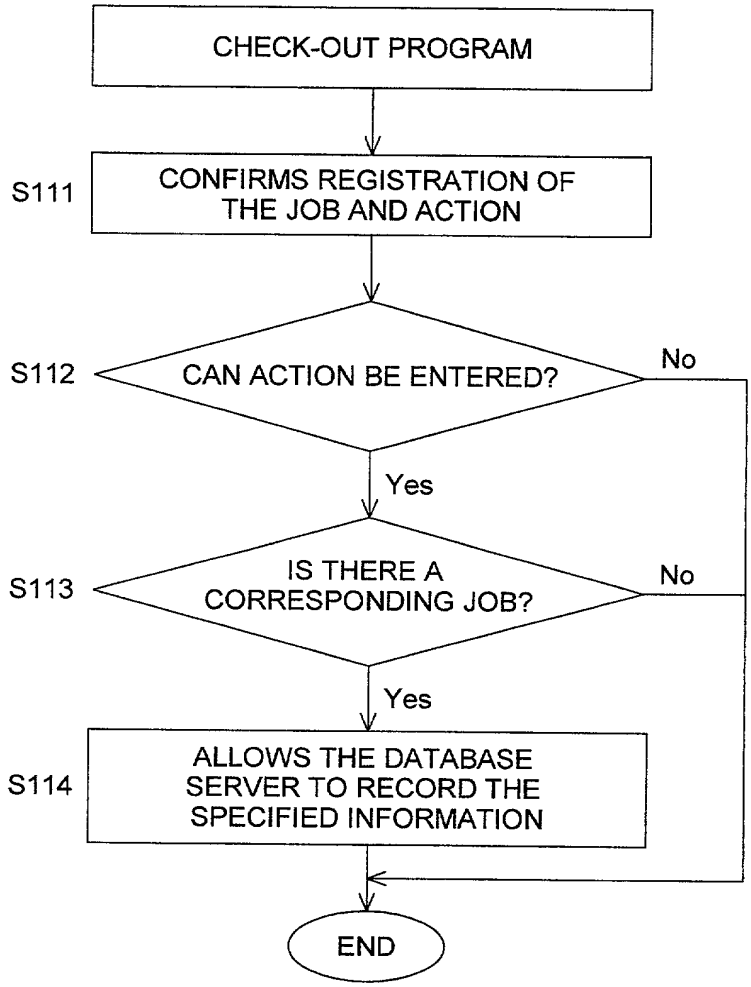
FIG. 35



EPSON Scan Server

FIG. 36

JOB TABLE

JOB ID	JOB NAME	STORAGE LOCATION ID
1	PROJECT A	1
2	PROJECT B	2
3	PROJECT C	3

ACTION TABLE

ACTION ID	JOB ID	ACTION NAME
1	1	IMAGE INPUT FOR PROJECT A
2	2	IMAGE OUTPUT FOR PROJECT B
3	2	IMAGE EDIT FOR PROJECT B

WORKING STATE TABLE

ACTION ID	WORKING SUBJECT ID	WORKING STATE	CHANGE TIME
1	2	WORK START	AT 15:05, NOVEMBER 27
2	1	WORK START	AT 16:20, NOVEMBER 27
3	1	DISCONTINUE	AT 17:00, NOVEMBER 27

ACTION STATE TABLE

ACTION ID	JOB ID	ACTION STATE	CHANGE TIME
1	1	WORK START	AT 15:05, NOVEMBER 27
2	2	WORK START	AT 16:20, NOVEMBER 27
3	2	DISCONTINUE	AT 17:00, NOVEMBER 27

STORAGE LOCATION TABLE

STORAGE LOCATION ID	SERVER NAME	PASS NAME
1	dss01	/ disk1
2	dss02	/ disk2
3	dss03	/ data

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FIG. 37

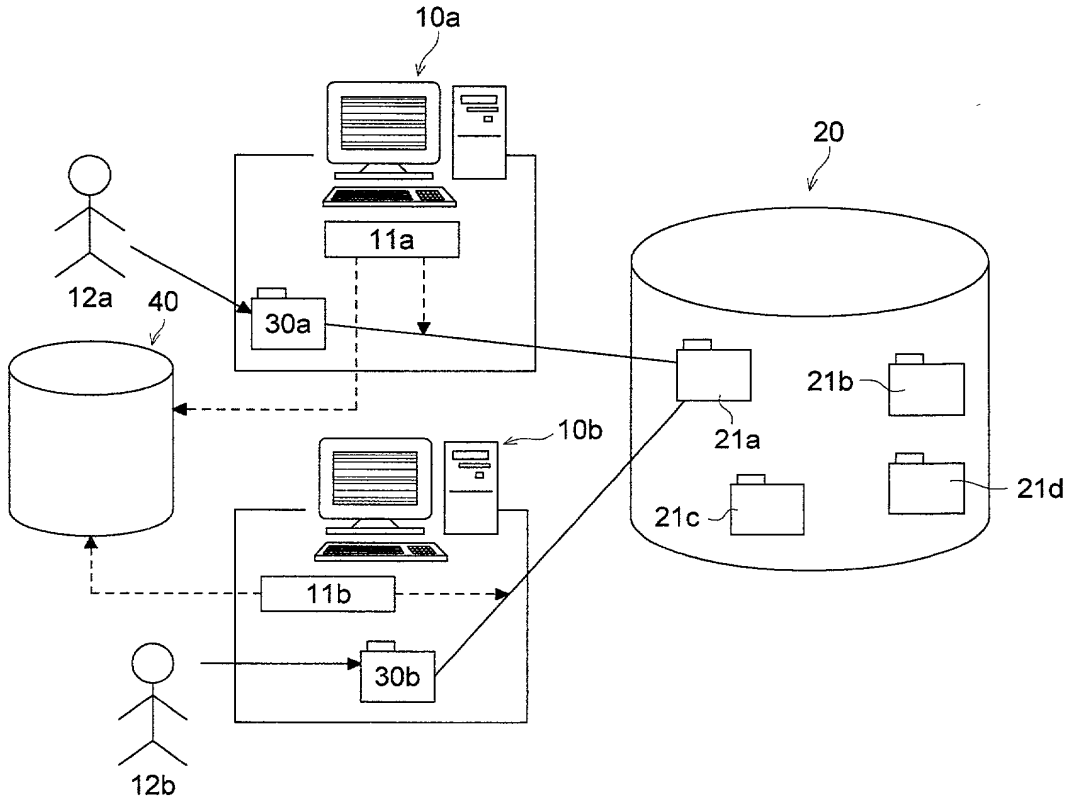

FIG. 38

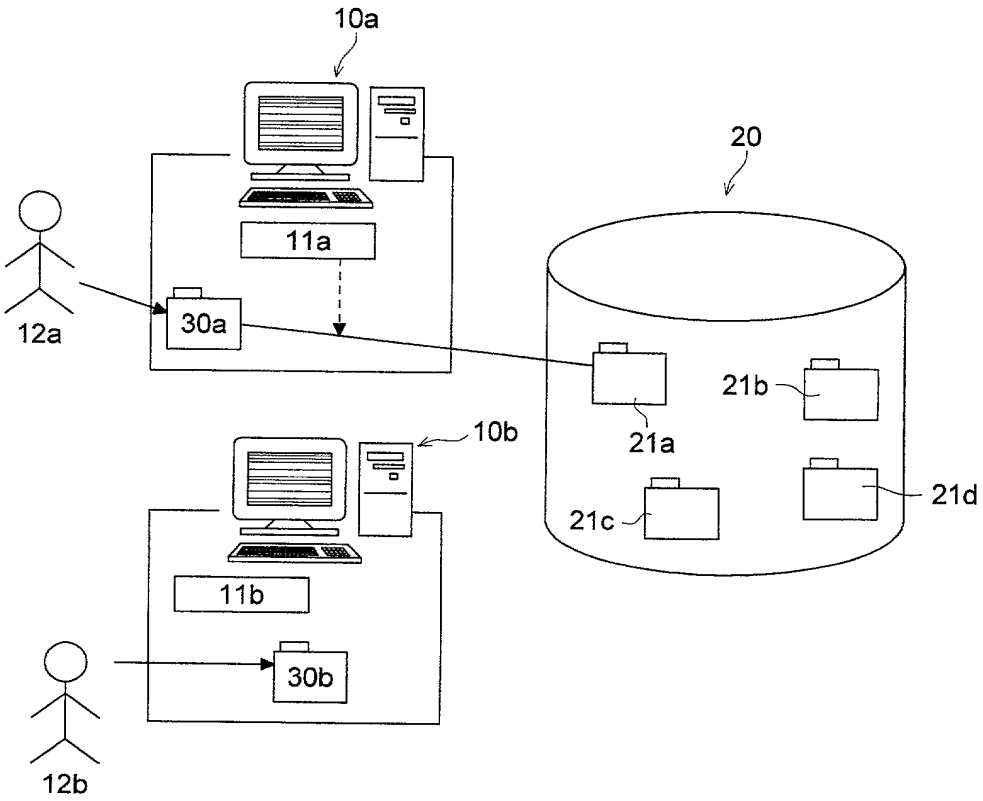

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FIG. 39

ACTION	ENTRY	DISCONTINUE		WORK START			TERMINATE
WORKING SUBJECT		DISCONTINUE	TERMINATE	DISCONTINUE	WORK START	TERMINATE	TERMINATE
CONNECTION STATE		DISCONNECT	DISCONNECT	DISCONNECT	CONNECT	DISCONNECT	DISCONNECT
ENTRY	→●						
START	○→→→→	→→ ○→	→→ →→ ○→	→→→ →→→ →→→	● ● ●		
DISCONTINUE		●← 	←← 	●←← ←←←	○ ○		
TERMINATE		○→ ○→ ○→	● →→ →→ ●← ●←	→→→ →→→ ○ ○→→ ○→→ ←←←	→→→→ →→→→ →→→→ ○ ○→→→ ○→→→	● →→→ ● →→→ →→→	 ● ● ● ●

FIG. 40

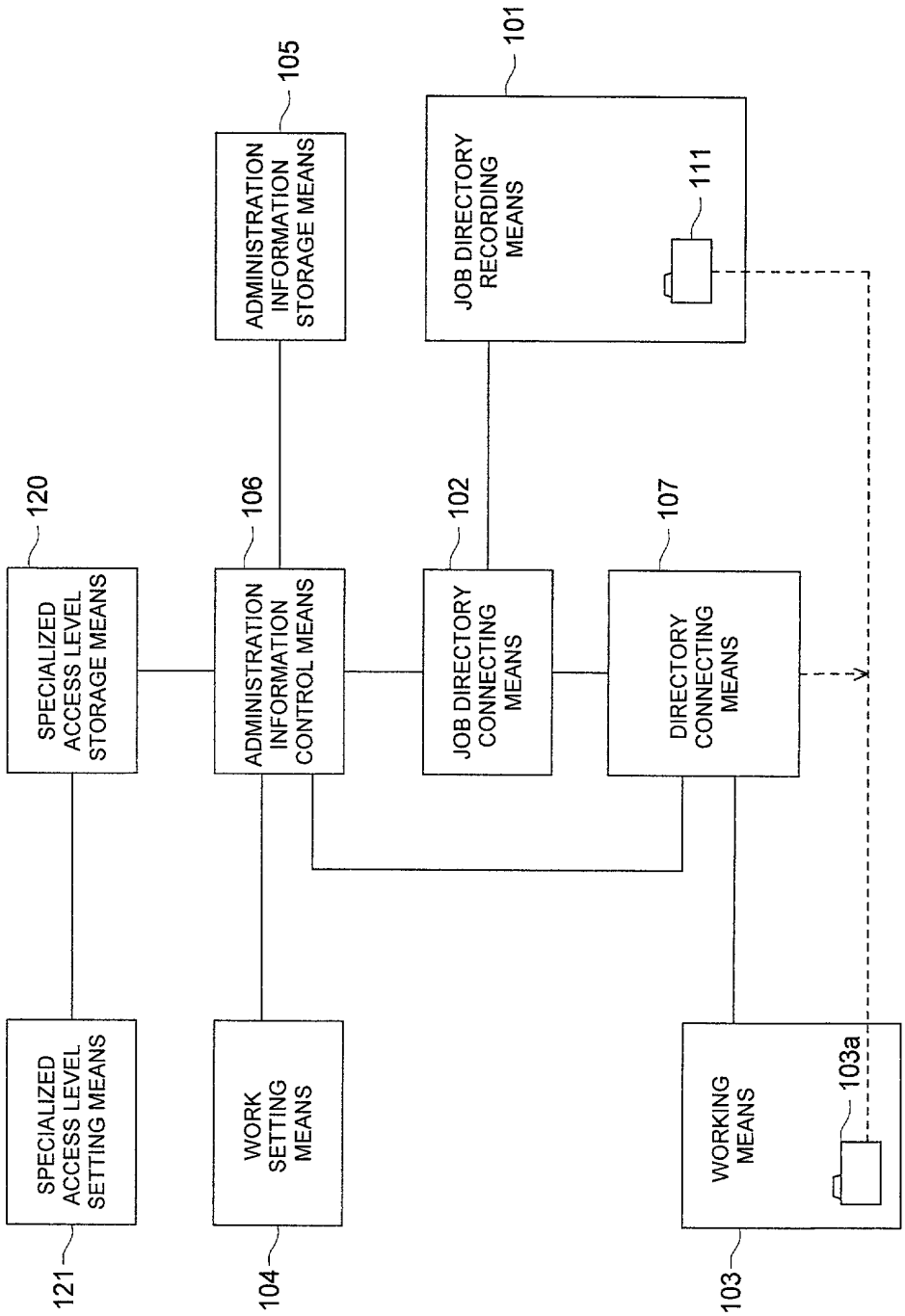
SPECIALIZED ACCESS LEVEL SETTING MEANS
121
SPECIALIZED ACCESS LEVEL STORAGE MEANS
120
WORK SETTING MEANS
104
ADMINISTRATION INFORMATION CONTROL MEANS
106
ADMINISTRATION INFORMATION STORAGE MEANS
105
JOB DIRECTORY CONNECTING MEANS
102
JOB DIRECTORY RECORDING MEANS
101
111
DIRECTORY CONNECTING MEANS
107
WORKING MEANS
103
103a

FIG. 41

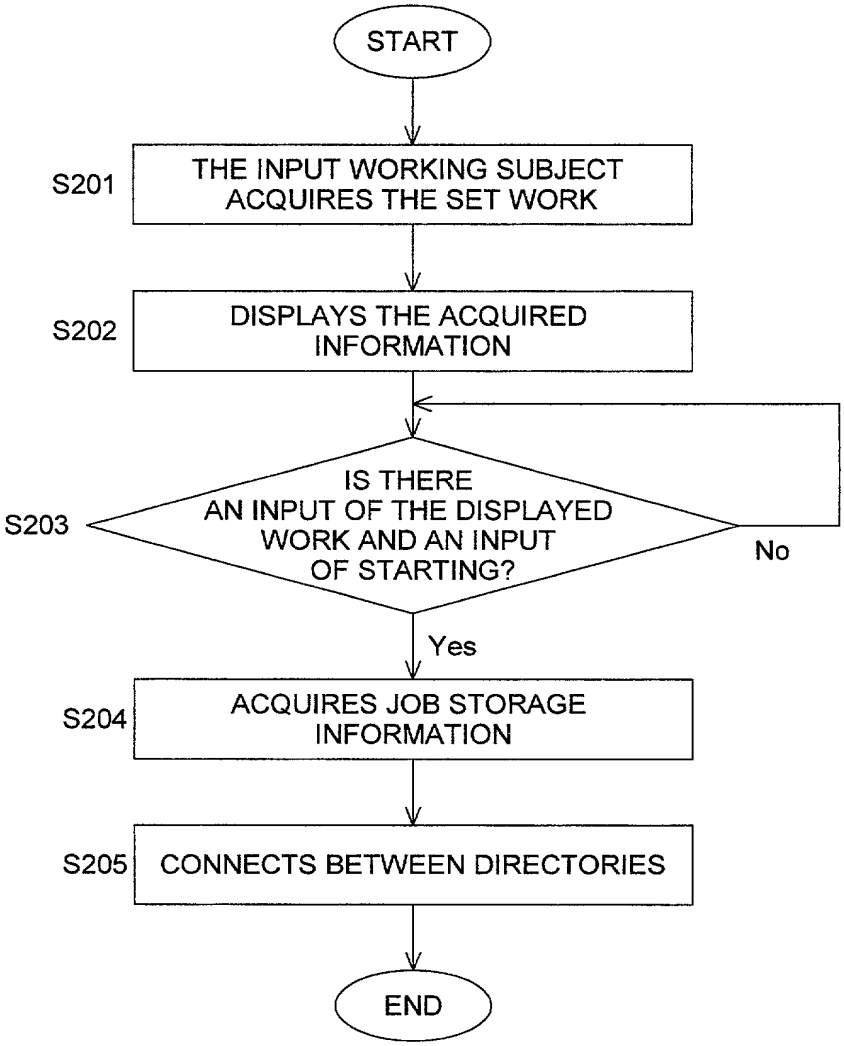
START
S201
THE INPUT WORKING SUBJECT ACQUIRES THE SET WORK
S202
DISPLAYS THE ACQUIRED INFORMATION
S203
IS THERE AN INPUT OF THE DISPLAYED WORK AND AN INPUT OF STARTING?
No
Yes
S204
ACQUIRES JOB STORAGE INFORMATION
S205
CONNECTS BETWEEN DIRECTORIES
END

FIG. 42

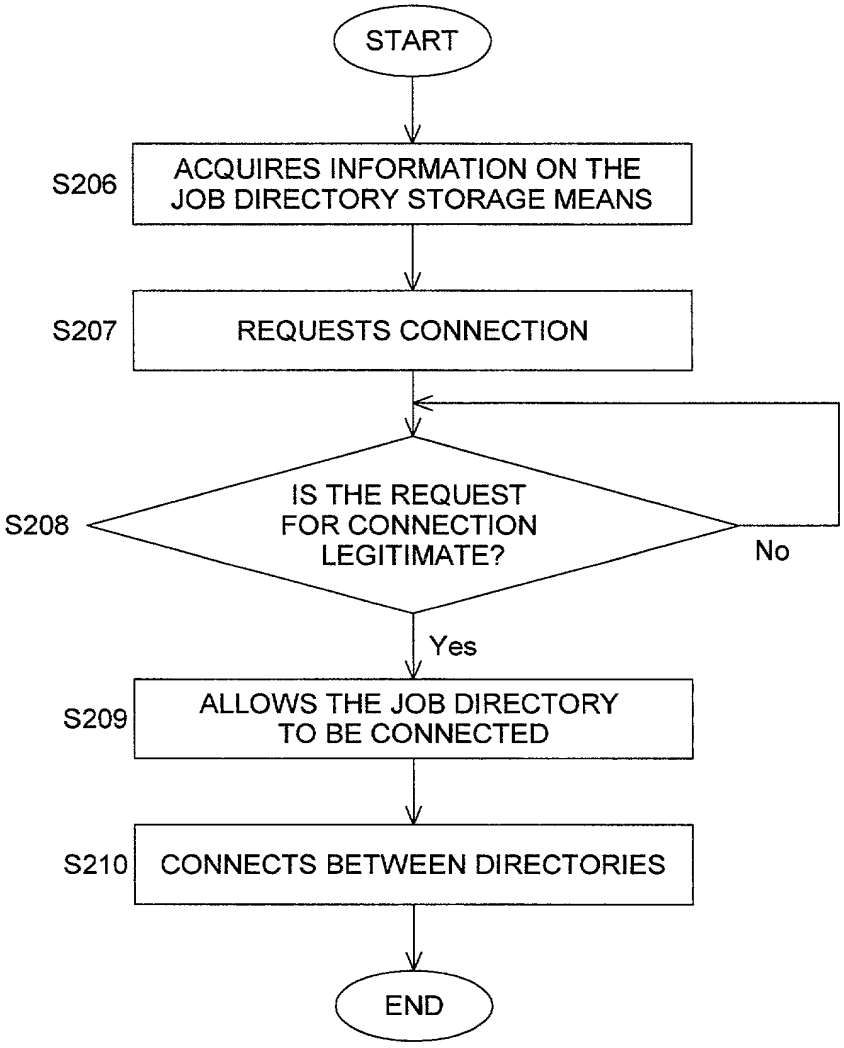
START
S206
ACQUIRES INFORMATION ON THE JOB DIRECTORY STORAGE MEANS
S207
REQUESTS CONNECTION
S208
IS THE REQUEST FOR CONNECTION LEGITIMATE?
No
Yes
S209
ALLOWS THE JOB DIRECTORY TO BE CONNECTED
S210
CONNECTS BETWEEN DIRECTORIES
END

FIG. 43

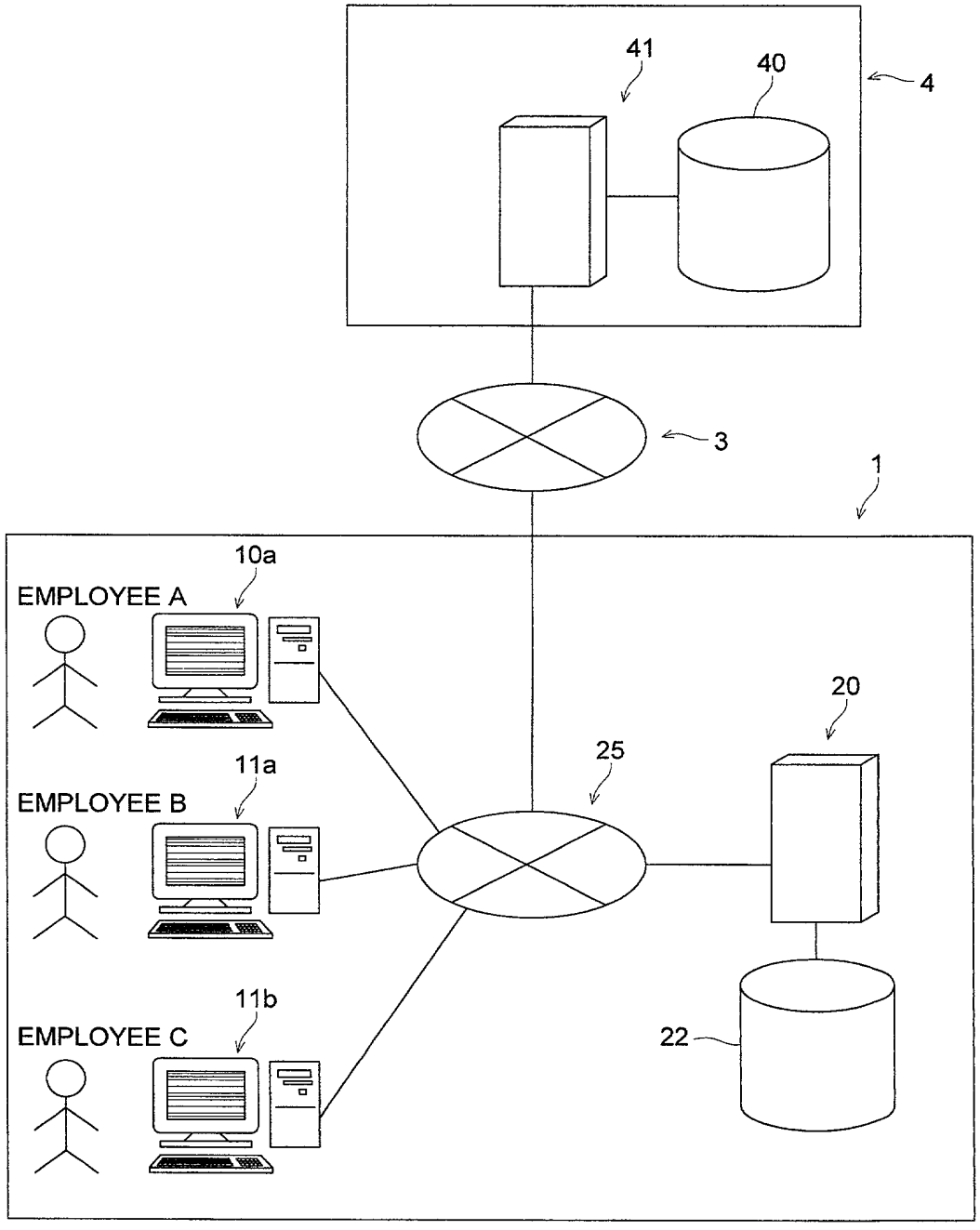

FIG. 44

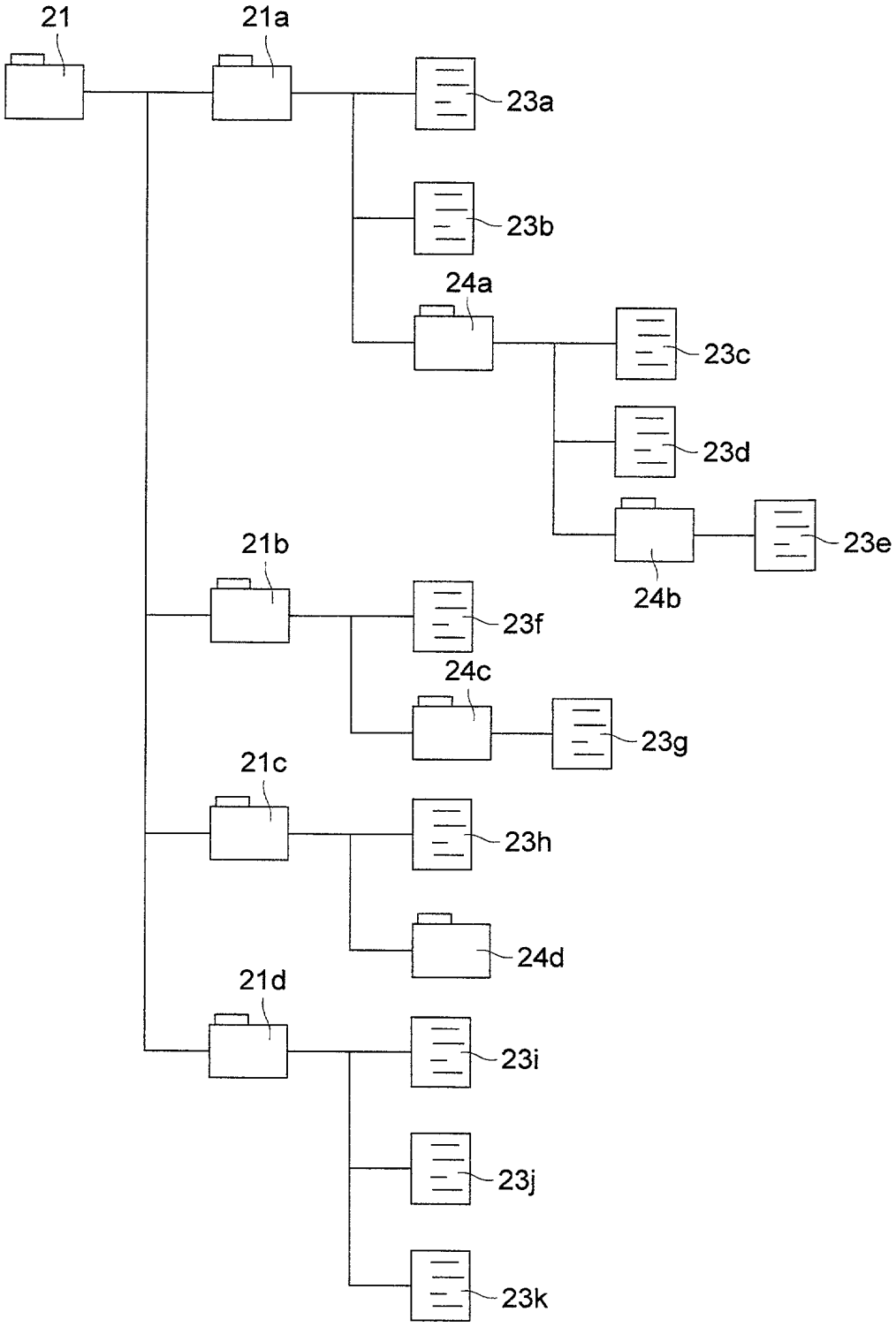

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FIG. 45

JOB TABLE

JOB ID	JOB NAME	STORAGE LOCATION ID	DIRECTORY CAPACITY	NUMBER OF FILES	TOTAL NUMBER OF FILES
1	NEW CATALOG FOR SPRING	1	46MB	5	40MB
2	NEW CATALOG FOR FALL	2	150MB	17	143MB
3	ADDITIONAL CATALOG	3	13MB	1	12MB

ACTION TABLE

ACTION ID	JOB ID	ACTION NAME
1	1	IMAGE CORRECTION OF NEW CATALOG FOR SPRING
2	1	PROOFREADING OF NEW CATALOG FOR SPRING
3	1	LAYOUT INPUT OF NEW CATALOG FOR SPRING

WORKING STATE TABLE

ACTION ID	WORKING SUBJECT ID	WORKING STATE
1	2	WORK START
1	1	WORK START
3	1	WORK DISCONTINUE

ACTION STATE TABLE

ACTION ID	JOB ID	ACTION STATUS
1	1	WORK START
2	1	WORK START
3	1	WORK DISCONTINUE

STORAGE LOCATION TABLE

STORAGE LOCATION ID	STORAGE LOCATION
1	/ disk1
2	/ disk2
3	/ data

4868743.1

FIG. 46

ACCOUNTING AMOUNT TABLE

ACCOUNTING COMPANY NAME	FIXED AMOUNT OF ACCOUNTING	VARIABLE AMOUNT OF ACCOUNTING	TOTAL AMOUNT OF ACCOUNTING
PRINTING A CO., LTD.	30000	56000	86000
PRINTING B CO., LTD.	20000	34000	54000
PRINTING C CO., LTD.	30000	21000	36000

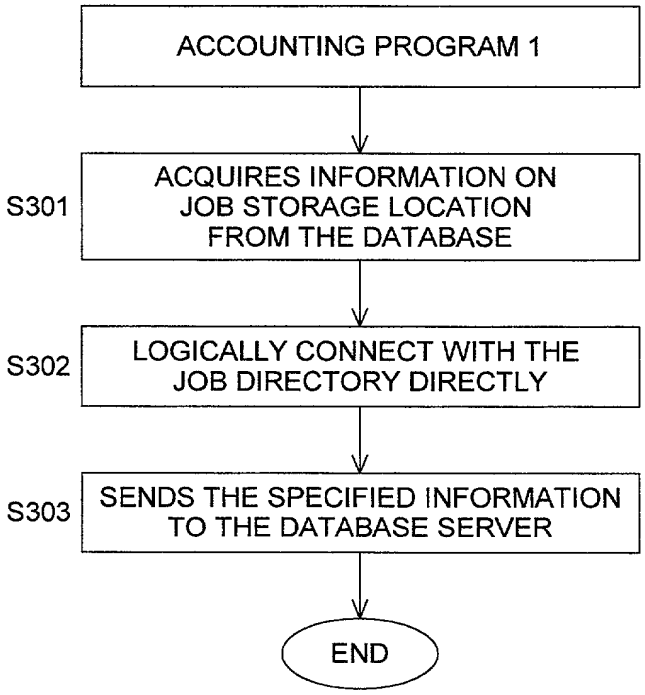
FIXED ACCOUNTING AMOUNT TABLE

FIXED AMOUNT OF ACCOUNTING	OBJECT OF FIXED ACCOUNTING			
	NUMBER OF USERS	NUMBER OF TERMINALS	NUMBER OF FILE SERVERS	TOTAL CAPACITY OF FILE SERVER
1000	1	1		
2000	2	2		
3000	3	3		
4000	4	4		
5000	5	5	1	~1GB
6000	6	6		
7000	7	7		

VARIABLE ACCOUNTING AMOUNT TABLE

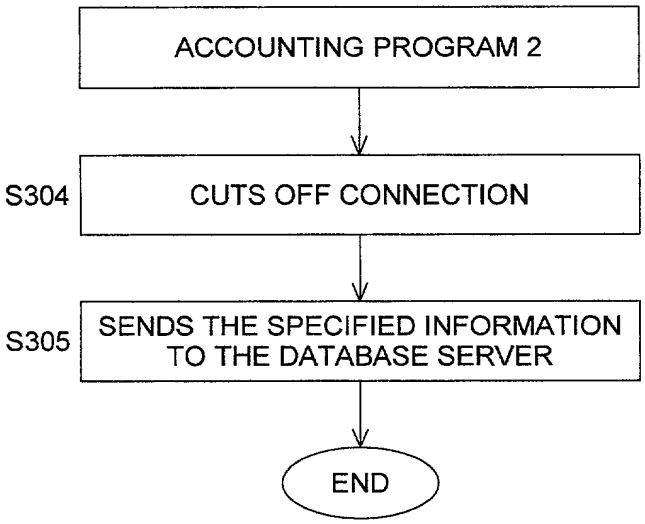
VARIABLE AMOUNT OF ACCOUNTING	OBJECT OF VARIABLE ACCOUNTING				
	NUMBER OF JOB DIRECTORIES	CAPACITY OF JOB DIRECTORY	NUMBER OF FILES	NUMBER OF SET ACTIONS	NUMBER OF HISTORIES
1000	1	~100GB	~100	~10	~100
2000	2	~200GB	~200	~20	~200
3000	3	~300GB	~300	~30	~300
4000	4	~400GB	~400	~40	~400
5000	5	~500GB	~500	~50	~500
6000	6	~600GB	~600	~60	~600

FIG. 47



EPSON Scan Image

FIG. 48



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